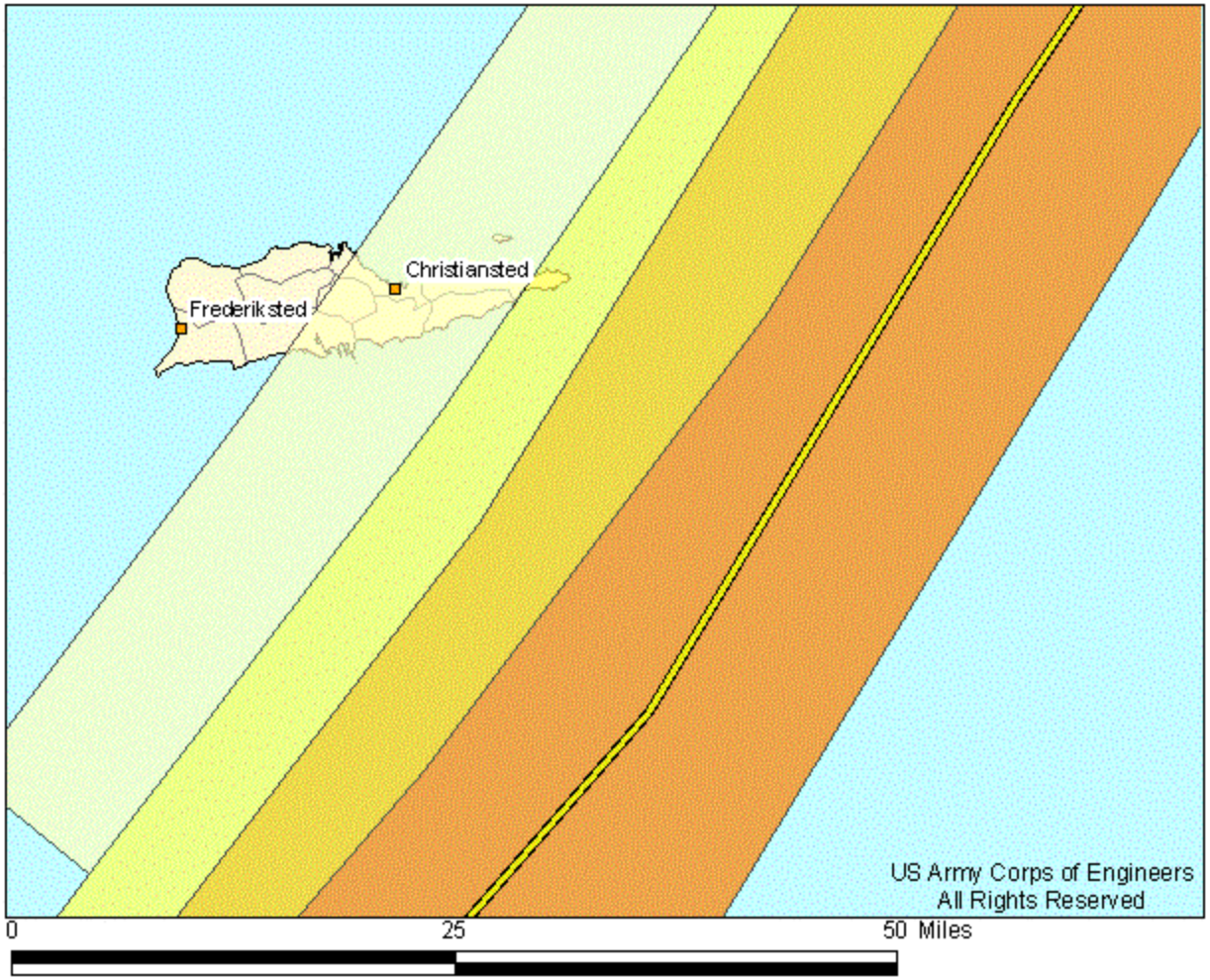
US Army Corps of Engineers

Hurricane Omar Projected Damage Areas

Landfall Plus About **8** Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 3 storm making landfall near St Croix, USVI.

Forecast Track
Historic Track

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC (0500 EDT 10/16/2008) forecast.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Projected Damage Areas

Generated By: Siemsen, LRL
0730 EDT 10/16/2008

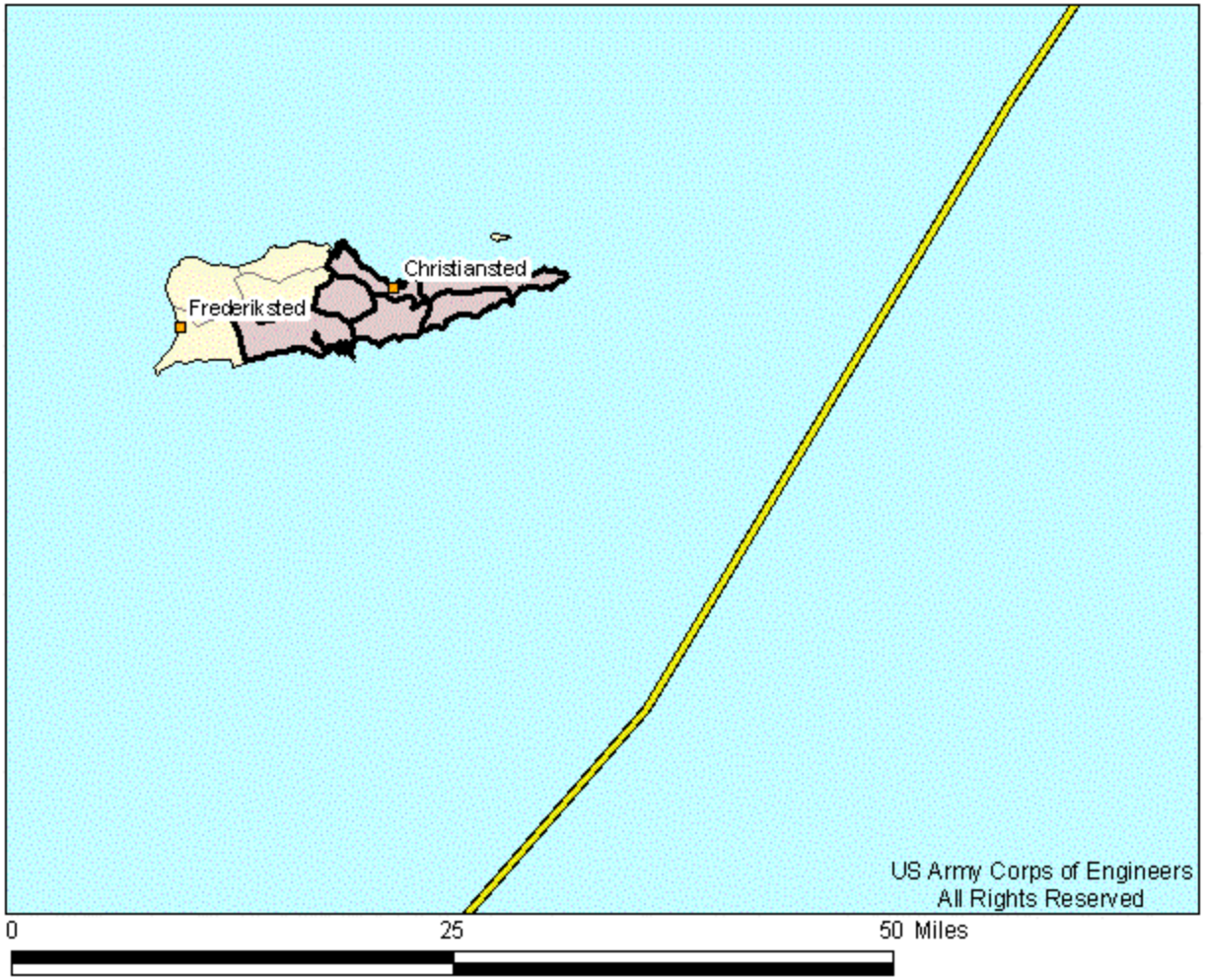
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Debris Model

Landfall Plus About **8** Hours

For Planning Purposes Only!



Post Landfall Debris Model Results

St Croix - 48,000 Yards

Model results per Geographic Unit on following page

This model is based on a Category 3 storm making landfall near St Croix, USVI.

Forecast Track

Historic Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC (0500 EDT 10/16/2008) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Debris Model	
Generated By: Siemsen, LRL 0730 EDT 10/16/2008	
Sources: HURREVAC LRL-DEBRIS	Page 2 of 18

US Army Corps of Engineers

Hurricane Omar Debris Model

Landfall Plus About **8** Hours

For Planning Purposes Only!

Island	Yards per Island	Geographic Unit	Yards per Geographic Unit
ST CROIX		ANNA'S HOPE VILLAGE	6,000
		CHRISTIANSTED	15,000
		EAST END - NORTH	6,000
		EAST END - SOUTH	2,000
		SION FARM	14,000
		SOUTHCENTRAL	5,000
ST CROIX	48,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

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Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Omar Debris Model

Generated By: Siemsen, LRL
0730 EDT 10/16/2008

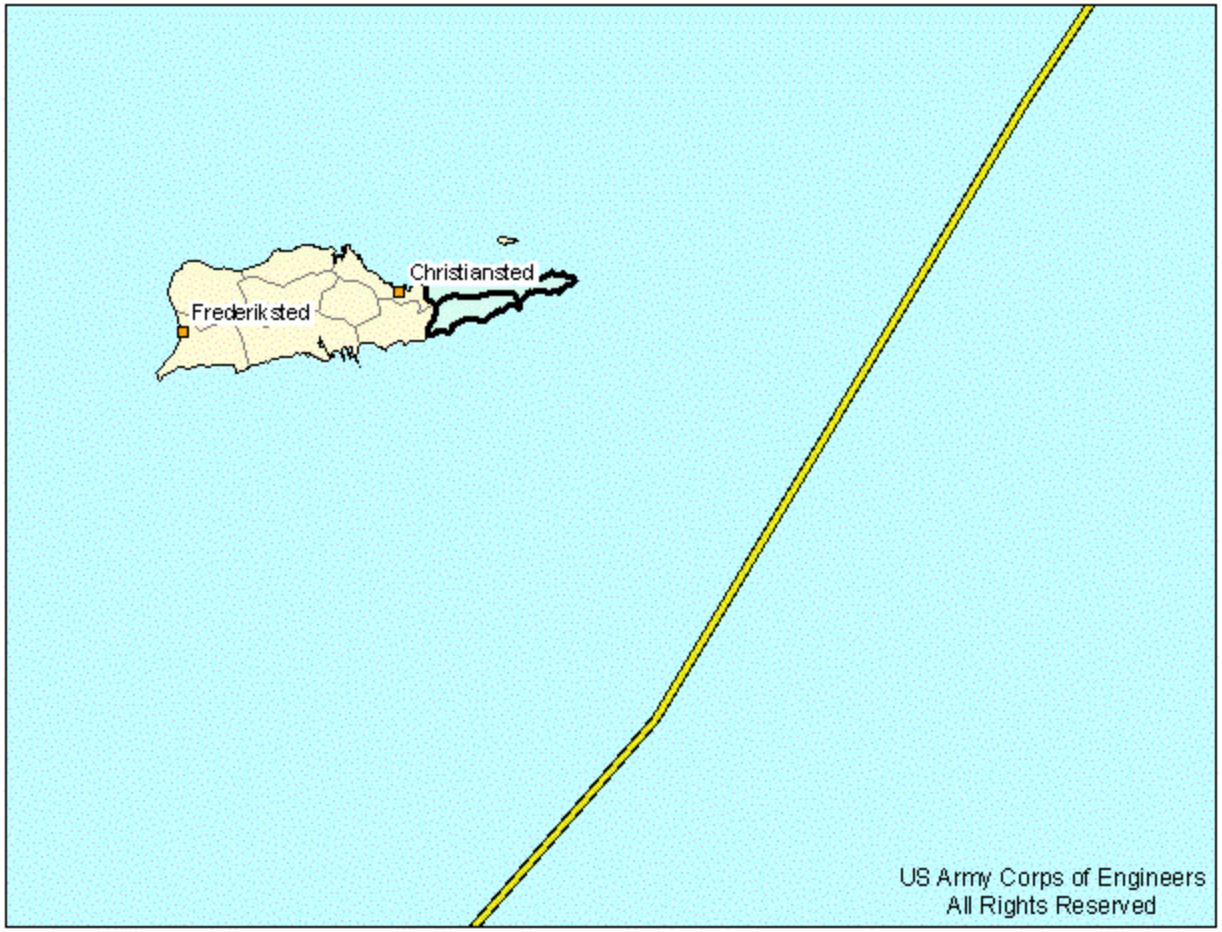
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Commodities Model

Landfall Plus About **8** Hours

For Planning Purposes Only!



Post Landfall Water Model Results

Daily Need Until Power Restored
St Croix - 2 Truckloads

Assumes 90% power outage and all PODs functional

Model results per Geographic Unit on following page

This model is based on a Category 3 storm making landfall near St Croix, USVI.

Forecast Track
Historic Track

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC ***(0500 EDT 10/16/2008)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Commodities Model	
Generated By: Siemsen, LRL 0730 EDT 10/16/2008	
Sources: HURREVAC LRL-DEBRIS	Page 4 of 18

US Army Corps of Engineers

Hurricane Omar Commodities Model

Landfall Plus About 8 Hours

For Planning Purposes Only!

Island	Truckloads per Island	Geographic Unit	Truckloads per Geographic Unit
ST CROIX		EAST END - NORTH	1
		EAST END - SOUTH	1
ST CROIX	2		

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Omar Commodities Model

Generated By: Siemsen, LRL
0730 EDT 10/16/2008

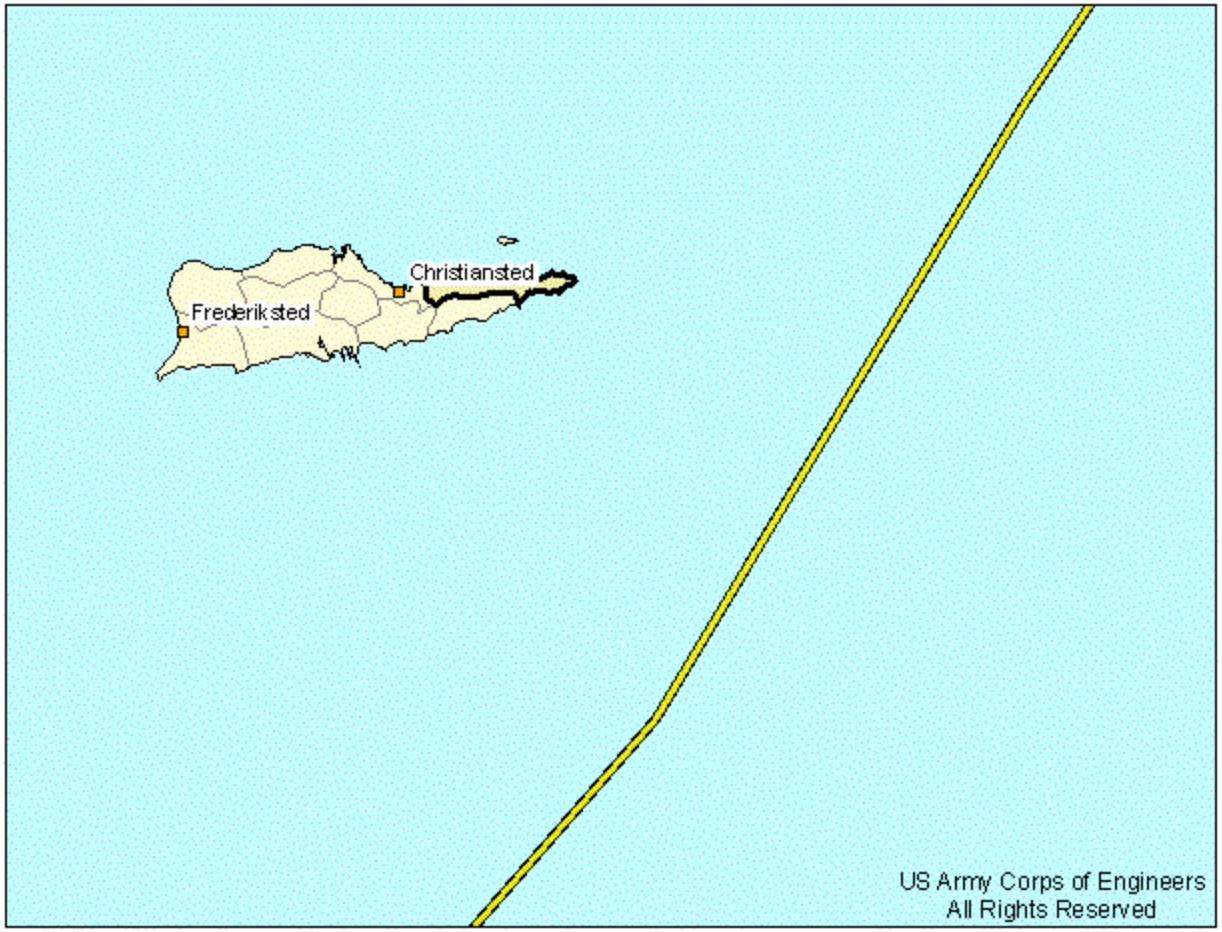
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Temporary Roofing Model

Landfall Plus About 8 Hours

For Planning Purposes Only!



Post Landfall Temporary Roofing Model Results

Less than 100 units

Model results per Geographic Unit on following page

This model is based on a Category 3 storm making landfall near St Croix, USVI.

Forecast Track
Historic Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC (0500 EDT 10/16/2008) forecast. Temporary roofing is based on 3% in CAT 1, 8% in CAT 2 and 15% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Roofing Model

Generated By: Siemsen, LRL
0730 EDT 10/16/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Temporary Roofing Model

Landfall Plus About 8 Hours

For Planning Purposes Only!

Island	House Units per Island	Geographic Unit	House Units per Geographic Unit
ST CROIX		EAST END - NORTH	< 100
ST CROIX			

Temporary roofing is based on 3% in CAT 1, 8% in CAT 2 and 15% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Omar Roofing Model

Generated By: Siemsen, LRL
0730 EDT 10/16/2008

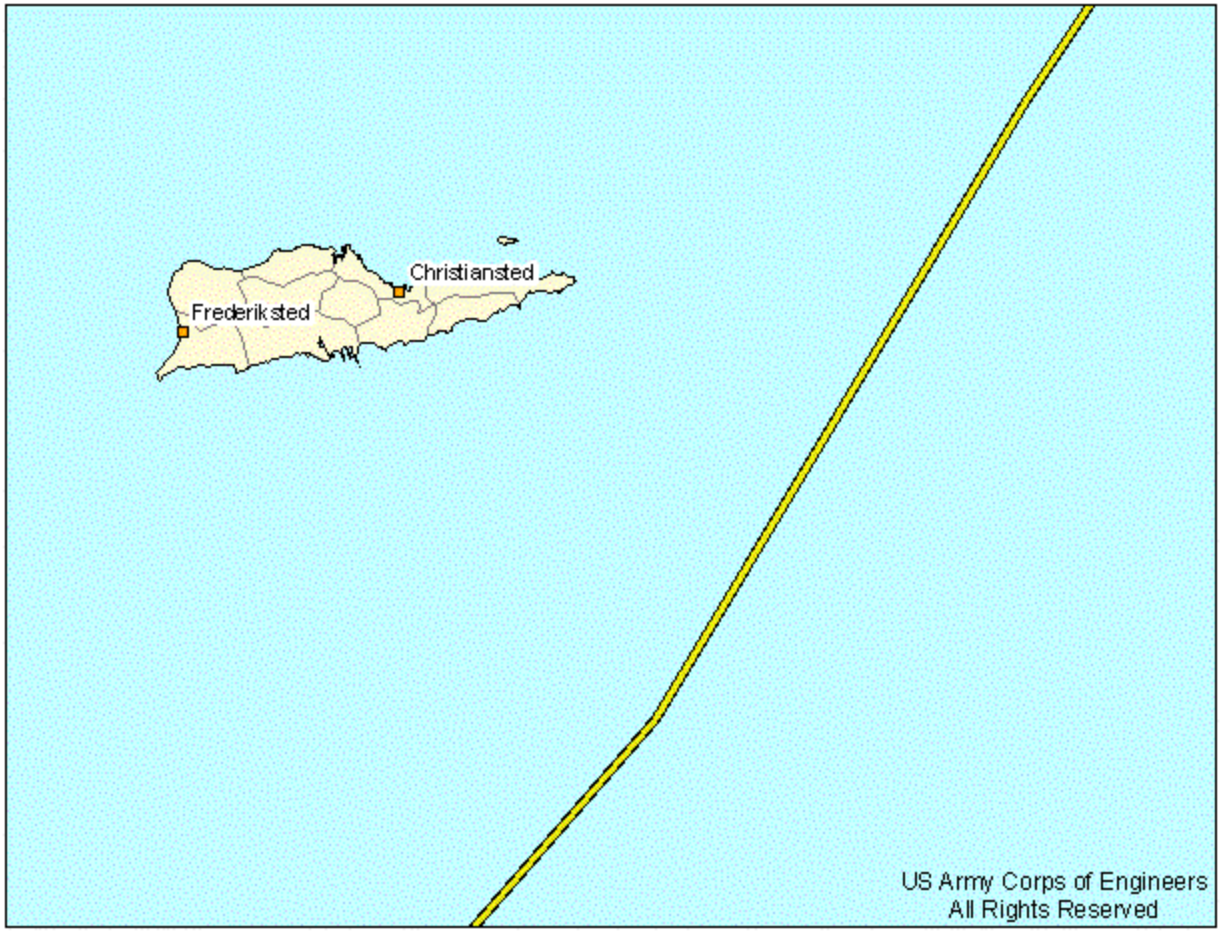
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Temporary Housing Model

Landfall Plus About 8 Hours

For Planning Purposes Only!



Post Landfall Temporary Housing Model Results

None expected

Model results per Geographic Unit on following page

This model is based on a Category 3 storm making landfall near St Croix, USVI.

Forecast Track
Historic Track

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC (0500 EDT 10/16/2008) forecast. Temporary housing is based on 1% in CAT 2 and 3% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Housing Model

Generated By: Siemsen, LRL
0730 EDT 10/16/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Temporary Housing Model

Landfall Plus About 8 Hours

For Planning Purposes Only!

Island	House Units per Island	Geographic Unit	House Units per Geographic Unit

Temporary housing is based on 1% in CAT 2 and 3% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar Housing Model

Generated By: Siemsen, LRL
0730 EDT 10/16/2008

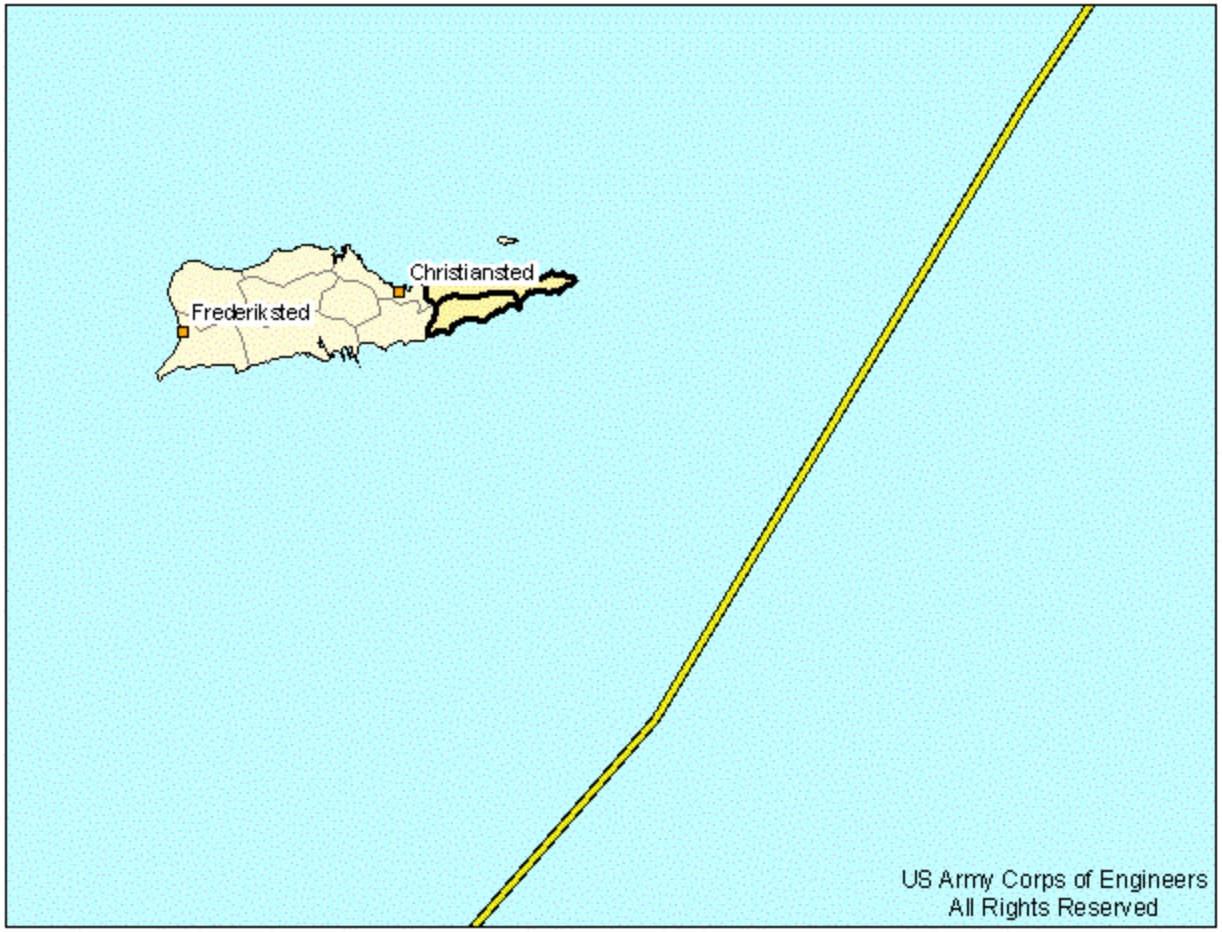
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Population Model

Landfall Plus About **8** Hours

For Planning Purposes Only!



Post Landfall Results – Resident Population Within Hurricane Force Winds

Less Than 1,000

Model results per Geographic Unit on following page

This model is based on a Category 3 storm making landfall near St Croix, USVI.

Forecast Track
Historic Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC (0500 EDT 10/16/2008) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Population Model	
Generated By: Siemsen, LRL 0730 EDT 10/16/2008	
Sources: HURREVAC LRL-DEBRIS	Page 10 of 18

US Army Corps of Engineers

Hurricane Omar Population Model

Landfall Plus About 8 Hours

For Planning Purposes Only!

Island	Population per Island	Geographic Unit	Population per Geographic Unit
ST CROIX		EAST END - NORTH	< 1,000
		EAST END - SOUTH	< 1,000
ST CROIX			

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar Population Model

Generated By: Siemsen, LRL
0730 EDT 10/16/2008

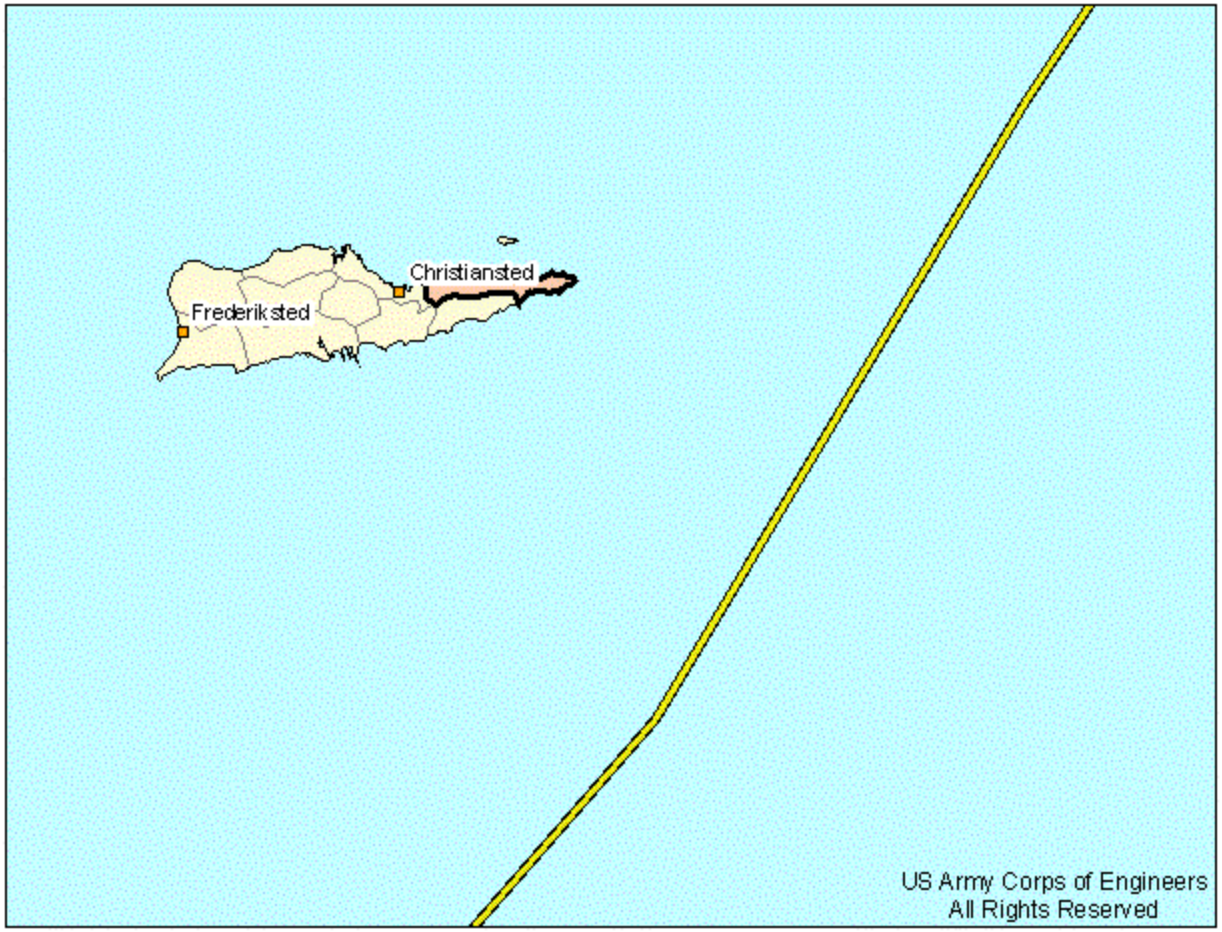
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Households Model

Landfall Plus About 8 Hours

For Planning Purposes Only!



Post Landfall Results – Resident Households Within Hurricane Force Winds

Less than 1,000

Model results per Geographic Unit on following page

This model is based on a Category 3 storm making landfall near St Croix, USVI.

Forecast Track
Historic Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC (0500 EDT 10/16/2008) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Households Model	
Generated By: Siemsen, LRL 0730 EDT 10/16/2008	
Sources: HURREVAC LRL-DEBRIS	Page 12 of 18

US Army Corps of Engineers

Hurricane Omar Households Model

Landfall Plus About 8 Hours

For Planning Purposes Only!

Island	Households per Island	Geographic Unit	Households per Geographic Unit
ST CROIX		EAST END - NORTH	< 1,000
ST CROIX			

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
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Hurricane Omar Households Model

Generated By: Siemsen, LRL
0730 EDT 10/16/2008

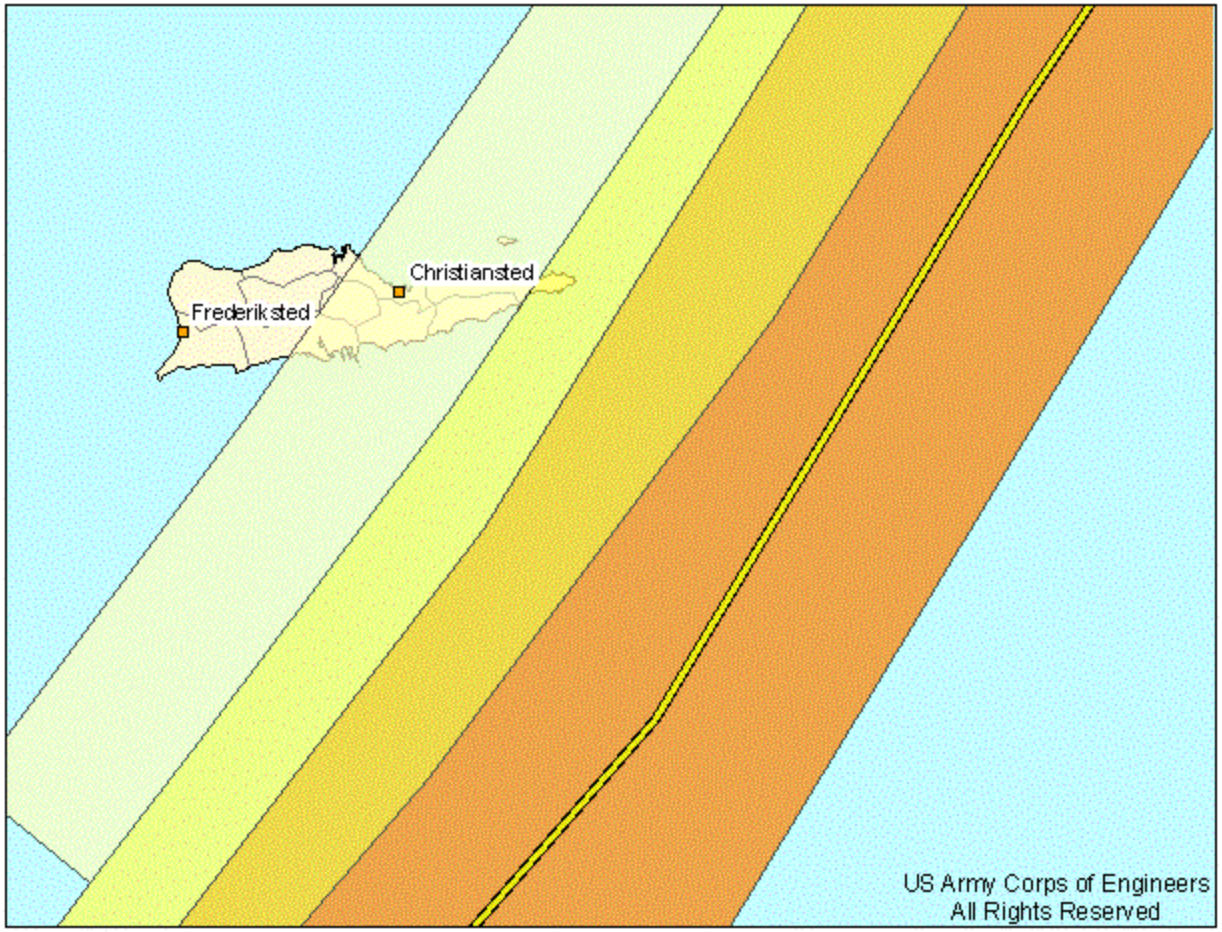
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Airports

Landfall Plus About 8 Hours

For Planning Purposes Only!



Most Probable Landfall Airports Inside Hurricane Force Winds

Model results per Geographic Unit on following page

This model is based on a Category 3 storm making landfall near St Croix, USVI.

+ Airports
Forecast Track
Historic Track

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC (0500 EDT 10/16/2008) forecast.

The number of airports included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

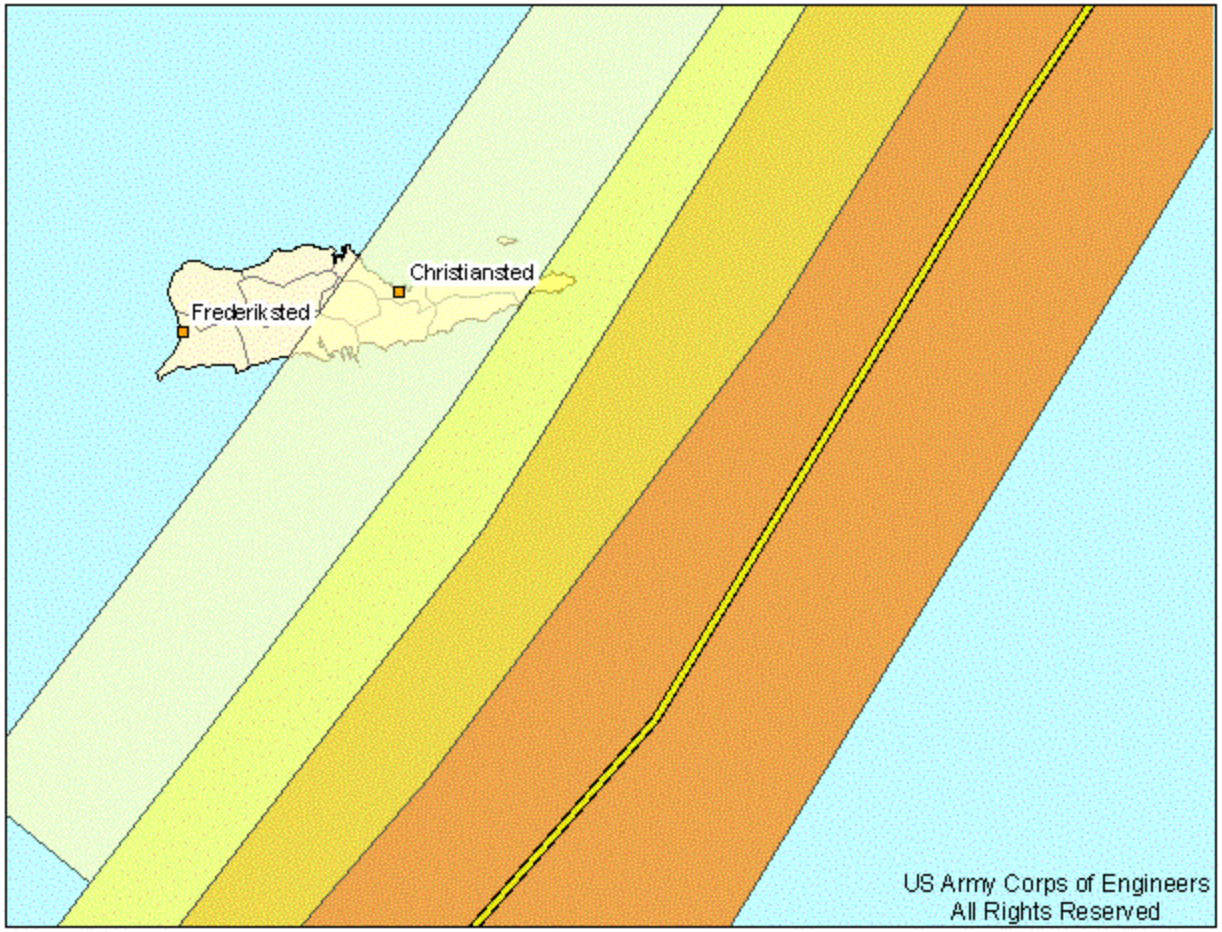
Hurricane Omar Airports	
Generated By: Siemsen, LRL 0730 EDT 10/16/2008	
Sources: HURREVAC LRL-DEBRIS	Page 14 of 18

US Army Corps of Engineers

Hurricane Omar Electric Power Plants

Landfall Plus About **8** Hours

For Planning Purposes Only!



Most Probable Landfall Electric Power Plants Inside Hurricane Force Winds

Model results per Geographic Unit on following page

This model is based on a Category 3 storm making landfall near St Croix, USVI.

Electric Power Plants
Forecast Track
Historic Track

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC (0500 EDT 10/16/2008) forecast.

The number of electric power plants included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

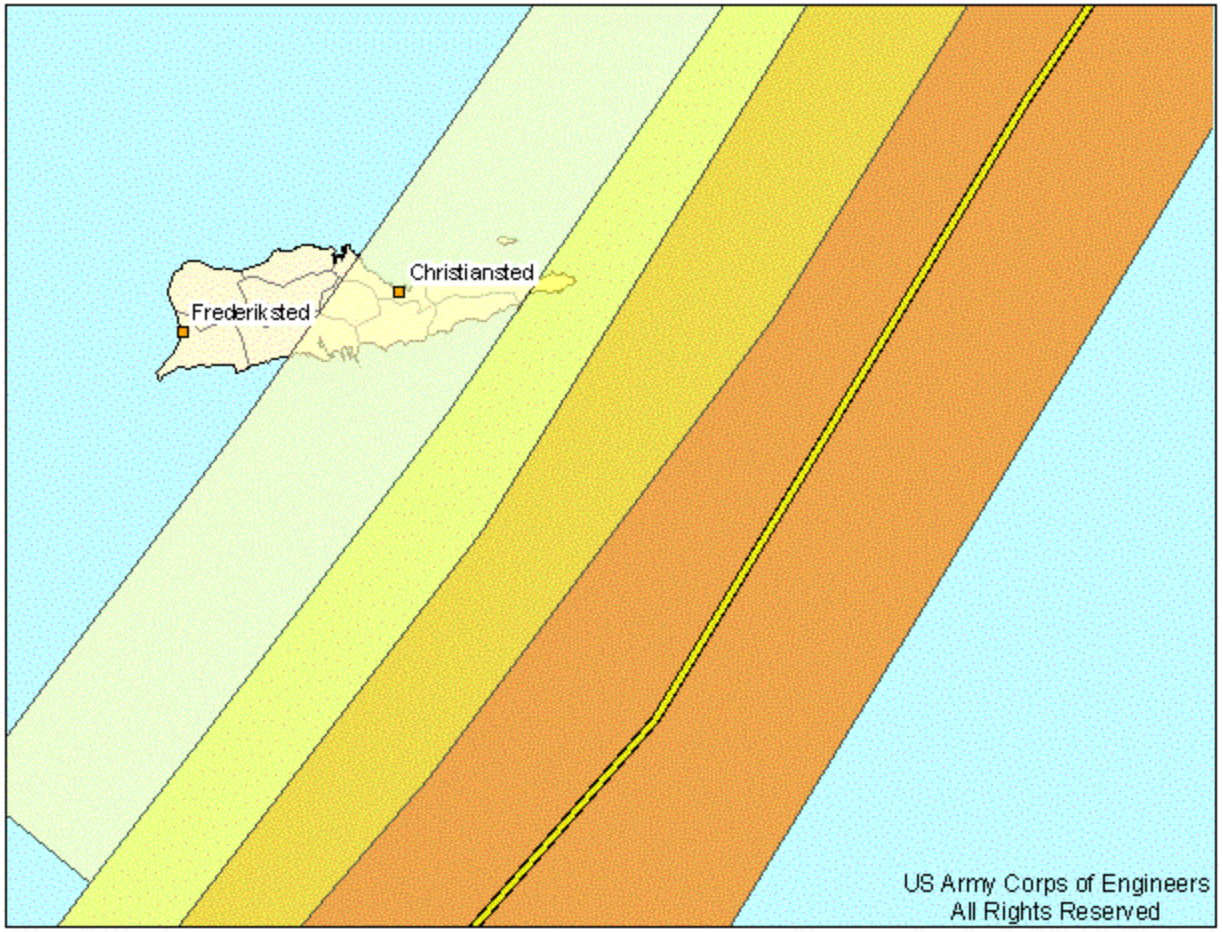
Hurricane Omar Electric Power Plants	
Generated By: Siemsen, LRL 0730 EDT 10/16/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Omar Fire Stations

Landfall Plus About 8 Hours

For Planning Purposes Only!



Most Probable Landfall Fire Stations Inside Hurricane Force Winds

Model results per Geographic Unit on following page

This model is based on a Category 3 storm making landfall near St Croix, USVI.

+ Fire Stations
Forecast Track
Historic Track

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC (0500 EDT 10/16/2008) forecast.

The number of fire stations included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

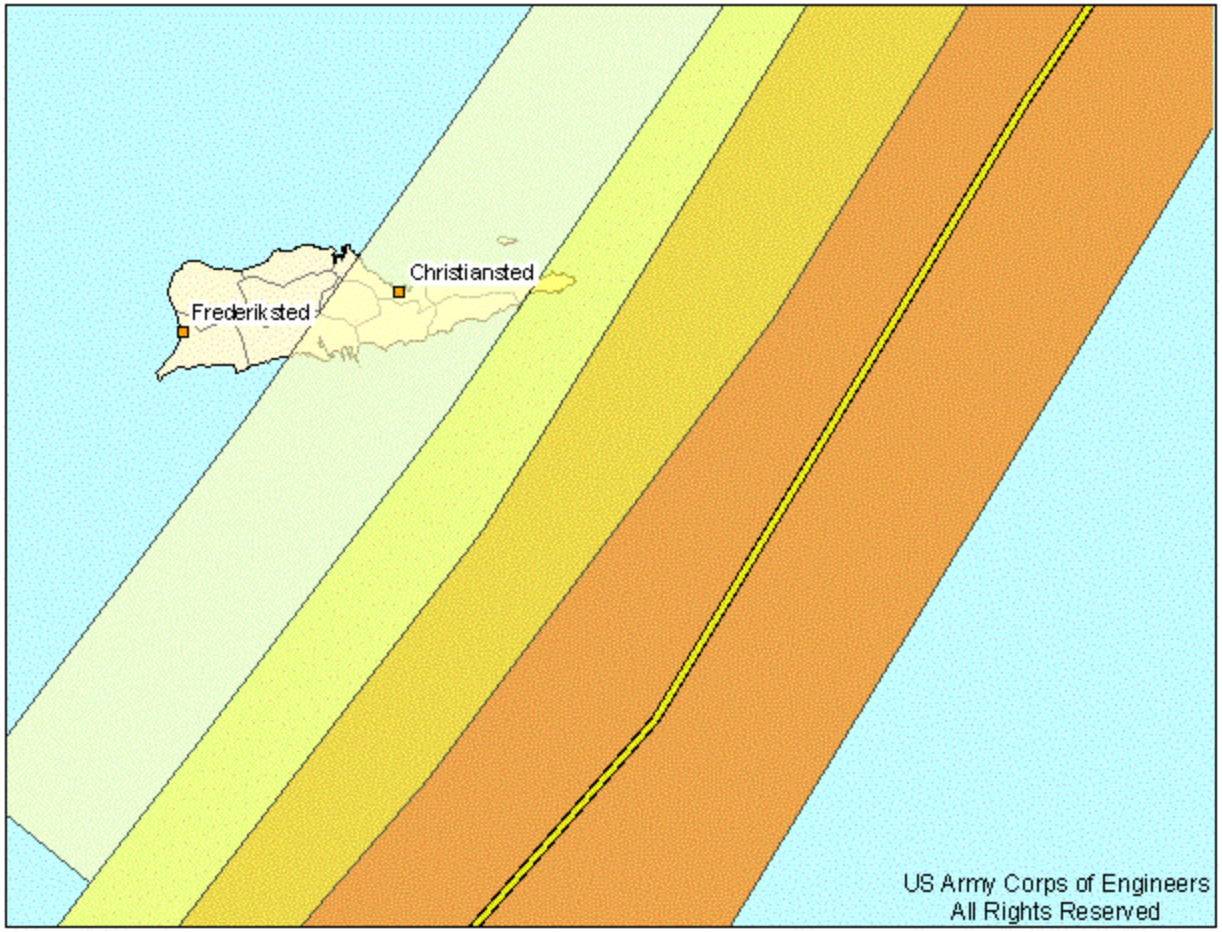
Hurricane Omar Fire Stations	
Generated By: Siemsen, LRL 0730 EDT 10/16/2008	
Sources: HURREVAC LRL-DEBRIS	Page 16 of 18

US Army Corps of Engineers

Hurricane Omar Hospitals

Landfall Plus About 8 Hours

For Planning Purposes Only!



Most Probable Landfall Hospitals Inside Hurricane Force Winds

Model results per Geographic Unit on following page

This model is based on a Category 3 storm making landfall near St Croix, USVI.

Hospitals
Forecast Track
Historic Track

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC (0500 EDT 10/16/2008) forecast.

The number of hospitals included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

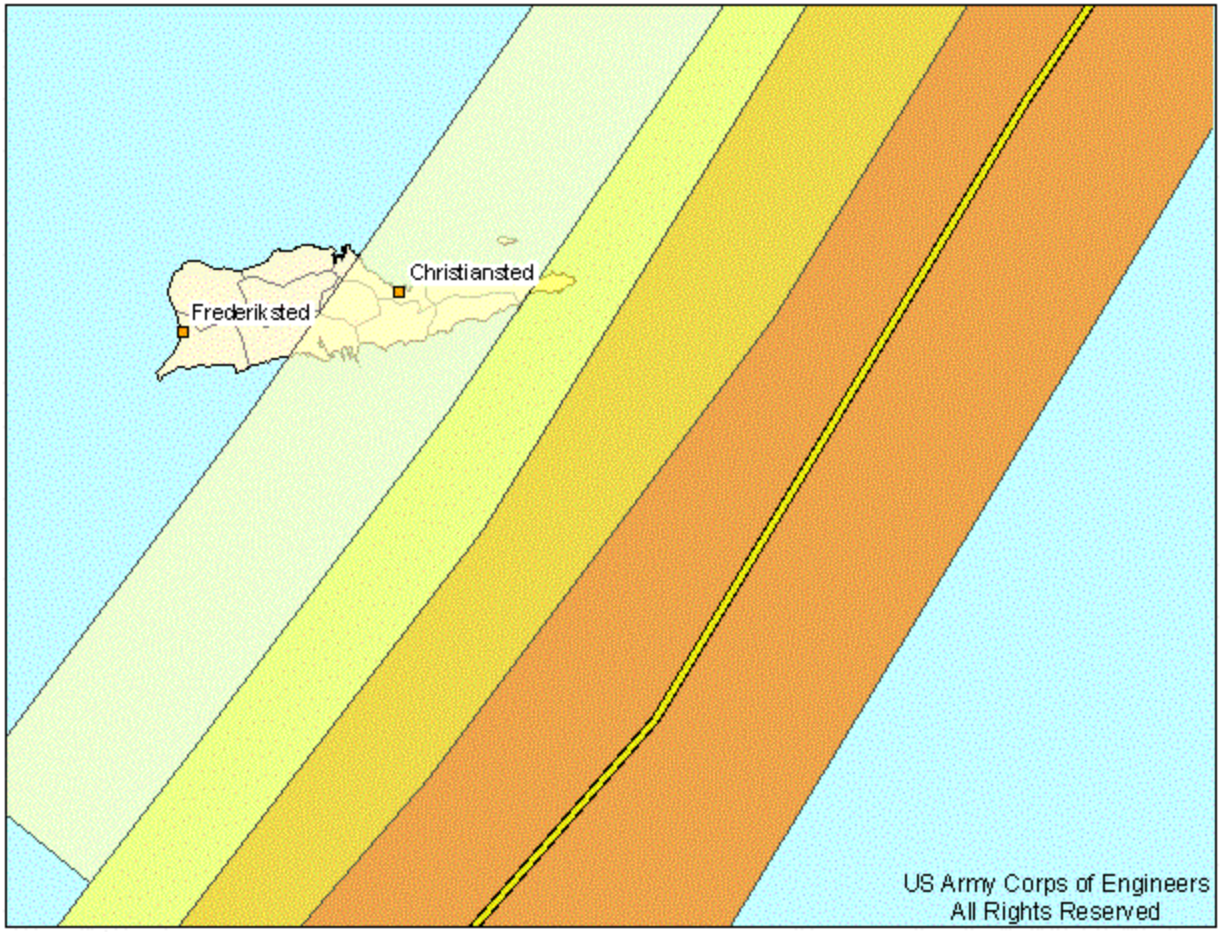
Hurricane Omar Hospitals	
Generated By: Siemsen, LRL 0730 EDT 10/16/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Omar Law Enforcement

Landfall Plus About 8 Hours

For Planning Purposes Only!



Most Probable Landfall Law Enforcement Inside Hurricane Force Winds

Model results per Geographic Unit on following page

This model is based on a Category 3 storm making landfall near St Croix, USVI.

★ Law Enforcement
Forecast Track
Historic Track

Information provided on this page displays a Category 3 storm making landfall near St Croix, USVI. These projections are based on information from the NHC (0500 EDT 10/16/2008) forecast.

The number of law enforcement included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Law Enforcement	
Generated By: Siemsen, LRL 0730 EDT 10/16/2008	
Sources: HURREVAC LRL-DEBRIS	Page 18 of 18